

09-22-05

IFU 2661

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)		Docket No. 15689.61	
Applicant(s): Yukihiro Okumura et al.			

Application No. 09/701,705	Filing Date December 1, 2005	SEP 21 2005 PATENT & TRADEMARK OFFICE	Examiner Quddus Ghulamali	Customer No. 022913	Group Art Unit 2661
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Invention: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FADING FREQUENCY DECISION DEVICE AND METHOD

I hereby certify that the following correspondence:

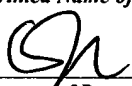
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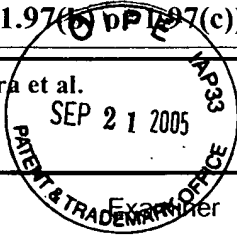
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- Transmittal for Information Disclosure Statement (2 pages; duplicate);
- Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
- Form PTO-1449 Listing of References (2 page);
- Legible Copy of References; (10 references)
- Certificate of Express Mail (EV661145257US);
- Acknowledgment Postcard

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) & 1.97(c))

Docket No.
15689.61

In Re Application Of: Yukihiro Okumura et al.



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/701,705	December 1, 2000	Unknown	022913	2661	Unknown

Title: **CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND**

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37 CFR 1.97(b)

1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- the statement specified in 37 CFR 1.97(e);
- OR**
- the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15689.61

In Re Application of: **Yukihiko Okumura et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/701,705	December 1, 2000	Unknown	022913	2661	Unknown

Title: **CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of _____ is attached. **23-3178**
- The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.
- Charge the amount of _____
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Dated: **September 21, 2005**

Adrian J. Lee

cc:



EXPRESS MAIL NO. EV 525475142 US

PATENT APPLICATION
Docket No: 15689.61

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
	Yukihiko OKUMURA et al.)
Serial No.:	09/701,705) Art Unit
Filing Date:	December 1, 2000) 2661
For:	CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FADING FREQUENCY DECISION DEVICE AND METHOD)
Customer No.:	022913)

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which

the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

In accordance with 37 C.F.R. § 1.98(a)(3), the following concise explanation of the relevance of each listed reference that is not in the English language and unaccompanied by a translation into English is provided. The concise explanation for Japanese Publication No.: 2000-049662 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 10-190625 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 08-265184 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 07-162361 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 07-162360 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 11-068698 is provided in the English abstract of that publication.

DATED September 21, 2005.

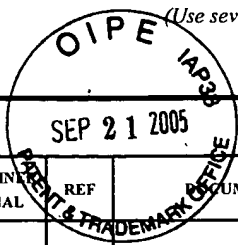
Respectfully submitted,



Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional) 15689.61	Application Number 09/701,705
Applicant(s) Yukihiko Okumura et al.	
Filing Date December 1, 2000	Group Art Unit 2661

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
1	11-068698	3/9/1999	Japan	H04J13	00	✓	
2	07-162360	6/23/1995	Japan	H04B7	26	✓	
3	07-162361	6/23/1995	Japan	H04B7	26	✓	
4	08-265184	10/11/1996	Japan	H04B1	10	✓	
5	10-190625	7/21/1998	Japan	H04J13	04	✓	

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

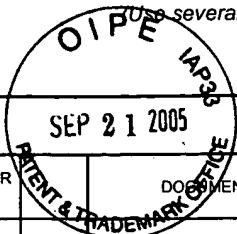
6	EVALUATION OF THE RADIO CHANNEL ESTIMATION BASED ON THE LEAST SQUARES METHOD Yashuharu Amezawa, Shinishi Sato, and Takao Suzuki
7	EXPERIMENTS ON PILOT SYMBOL-ASSISTED COHERENT RAKE RECEIVER FOR W-CDMA MOBILE RADIO H. Andoh, K. Higuchi, K. Okawa, M. Sawahashi, and F. Adachi page 59-65(1998-04)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY DOCKET NO. 15689.61	APPLICATION NO. 09/701.705
APPLICANT(S) Yukihiko Okumura et al.	
FILING DATE December 1, 2000	GROUP ART UNIT 2661

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
8	2000-049662	2/18/2000	Japan	H04B1	707	✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	9	Official Notice of Rejection Patent Application No.: 2003-277907 Case No.: DCMH150269
	10	Official Notice of Rejection Patent Application No.: 2003-277908 Case No.: DCMH150270

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.